

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,461 MW
Hydro	1,696 MW
Distillate	0 MW
Total TNB	8,237 MW
Total IPP	9,535 MW
Total Co-Gen	0 MW
Total System	18,336 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,093	22.99 %
Gas	51,373	17.34 %
Hydro	6,140	2.07 %
Total TNB	125,606	42.41 %
ST-Coal	95,195	32.14 %
Gas	74,180	25.04 %
Total IPP	169,375	57.18 %
Co-Gen	1,574	0.53 %
Total Co-Gen	1,574	0.53 %
Total Generation	296,555	100.12 %
PLTG	106	0.04 %
HVDC	259	0.09 %
Interconnection	365	0.12 %
Net Energy	296,190	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	14,712 MW
TNB Generation	5,932 MW
IPP Generation	7,682 MW
Spinning Reserve	1,035 MW
Maximum Demand	13,683 MW
Net Energy	296,190 MWH
Load Factor	90.19 %

Fuel Cost

Total Cost:	36,129,012.17 RM
Cost per Unit	12.44 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	342
Hydro	174
Syncon	488
Thermal	34
Total	1,038

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	57
PAKA	136
PGPS	41
SRDG	6
TJGS	106
Total TNB	391
KLPP	69
MPSS	61
PGLA	44
PLPS	96
PTEK	0
SGB3	35
SGRI	182
SKSP	50
YPKA	50
Total IPP	587
Total Gas	978
Total Gas Required	978

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13569	12885	12466	12114	11844	11469	11499	11031	10676	11301	11974	12574	12569	12373	12522	12521	12466	12319	11948	12335	13401	13683	13448	13104

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																										
UPLA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																										
Total Hydro		196	225	202	193	205	230	209	225	183	184	178	200	197	194	143	175	182	185	187	185	253	185	296	240	206	176	166	174	173	203	195	214	175	179	176	181	222	540	656	517	486	436	459	427	401	424	196	196		
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	53	54	53	53	54	53	54	54	52	53	53	53	52	54	54	51	53	54	52	53	54	54	53	54	53	54	53	53	53	53	53	53	54	53	53	51	52	53	53	52	53	53	52	53	53	53				
PCUF	CUFK	16	16	17	17	16	16	15	18	19	16	17	15	18	16	17	18	18	15	17	10	11	9	10	9	10	9	10	10	11	11	10	9	10	9	11	10	10	10	9	9	11	10	10	10	10	9	10			
Total Co-Gen		69	70	70	70	70	69	68	72	73	68	70	68	71	69	69	72	72	66	70	64	63	62	64	63	63	64	62	63	64	65	63	61	63	62	64	63	63	64	62	62	60	63	63	63	62	63	62	63		
Total Gen		13601	13143	12948	12713	12468	12346	12098	11877	11821	11602	11499	11474	11506	11450	11219	10809	10682	11000	11325	11482	11906	12189	12556	12605	12575	12468	12408	12398	12510	12751	12513	12630	12476	12479	12359	12157	12257	12029	12247	13154	13441	13579	13677	13600	13449	13400	13086	12935		
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
TIE-PLTG		2	-33	33	-31	-29	-66	-47	-35	-53	-24	0	67	-24	6	158	-17	-24	77	-6	12	-39	24	-18	28	6	-39	35	-30	-12	4	-8	39	10	34	8	11	5	18	11	67	69	-8	24	8	31	-7	9	-36		
Interconnection		32	-3	63	-1	2	-36	-16	-5	-23	6	30	98	7	36	188	13	6	107	24	-17	-68	-5	-18	28	6	-39	35	-30	-12	4	-8	39	10	34	40	41	309	48	-88	38	40	-37	-6	-23	1	-36	-18	-66		
System Total		13569	13146	12885	12714	12466	12376	12114	11882	11844	11596	11469	11376	11499	11414	11031	10796	10676	10893	11301	11499	11974	12194	12574	12577	12569	12507	12373	12428	12522	12747	12521	12591	12466	12445	12319	12116	11948	11981	12335	13116	13401	13616	13683	13623	13448	13436	13104	13001		
SRev ST-Coal		-14	136	141	147	177	147	157	167	173	185	130	182	160	85	124	322	324	53	27	40	5	55	24	-4	-6	-12	25	-3	33	37	29	95	108	89	66	44	43	32	53	41	56	83	68	91	68	50	53	77		
SRev OCGT-Gas		73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		246	295	319	325	240	279	282	513	522	725	789	782	772	898	1033	1016	1148	1098	1014	836	514	312	293	354	352	436	447	494	687	473	709	479	634	658	808	1036	1034	1592	1607	573	353	298	237	259	336	226	308	227		
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		7	6	6	6	6	7	8	4	5	8	6	8	5	7	7	4	4	10	6	12	13	14	12	13	13	12	14	13	12	11	13	15	13	14	12	13	13	12	14	14	16	13	15	13	14	13	14	13		
Syncon		727	727	727	576	576	727	727	727	727	727	576	576	576	727	727	727	727	727	727	576	641	576	727	727	727	727	727	727	576	577	576	727	727	727	727	727	576	626	626	626	626	475	475	475	475	576	576			
Hydro		103	74	97	257	245	69	90	74	116	115	121	250	253	256	156	124	117	114	112	114	197	114	254	159	143	123	133	125	126	247	254	236	124	120	123	118	378	110	144	283	314	265	242	274	300	277	254	254		
S.Reserve Total		1142	1238	1290	1311	1244	1229	1264	1485	1541	1760	1773	1798	1766	1822	2047	2193	2320	2692	1886	1729	1305	1136	1159	1249	1229	1311	1346	1356	1585	1344	1582	1401	1606	1608	1736	1938	2044	2372	2444	1537	1364	1133	1035	1112	1213	1041	1205	1147		